

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the above-captioned patent application:

Listing of Claims:

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Canceled)
7. (Canceled)
8. (Canceled)
9. (Canceled)
10. (Canceled)
11. (Canceled)
12. (Canceled)
13. (Canceled)
14. (Canceled)

15. (Canceled)

16. (New) A reference leakage device for a leak sniffer detector equipped with a sniffing tip and a control unit, said reference leakage device comprising:

a gas reservoir;

a constriction wherefrom there is released a specific amount of test gas, at least during calibration;

a sensor located in the constriction for detecting the approach of the sniffing tip; and

means for transmitting signals to the control unit of the leak detector.

17. (New) A device in accordance with Claim 16, wherein the signal transmitting means are implemented by way of a wire link.

18. (New) A device in accordance with Claim 16, wherein the signal transmitting means permit wireless transmission, said reference leakage device having a transmitter disposed on a side of a device housing.

19. (New) A device in accordance with Claim 16, wherein the constriction comprises a diaphragm.

20. (New) A device in accordance with Claim 16, further comprising a temperature sensor.

21. (New) A device in accordance with Claim 16, further comprising a pipe connection protruding through the device to the exterior, said connection exhibiting an opening suited for introducing an intake tip of a sniffer gun.

22. (New) A device in accordance with Claim 16, wherein the gas

reservoir is contained in a pressure vessel, said pressure vessel being accommodated in a housing and in which the constriction is a component of the housing.

23. (New) A device in accordance with Claim 22, wherein the pressure vessel and the housing are cylindrical in shape, said constriction being located in the area of one of two opposing face sides of the housing and where the face side of the housing opposite the constriction is equipped with a releasable screw-on cap.

24. (New) A device in accordance with Claim 23, wherein the housing is equipped in the area of the face side opposite the cap with an inwardly protruding flange, said flange supporting the pressure vessel containing the gas reservoir.

25. (New) A device in accordance with Claim 23, wherein the pressure vessel is equipped in the area of the cap with a ball valve and in which the cap carries a pin which opens the valve upon screwing on the cap.

26. (New) A device in accordance with Claim 23, wherein the cap carries an inwardly pointing spike which upon screwing on the cap penetrates the pressure vessel.

27. (New) A device in accordance with Claim 23, wherein the rim of the cap is equipped in the area of its upper side with a bore.

28. (New) A device in accordance with Claim 24, wherein the flange carries the diaphragm.

29. (New) A device in accordance with Claim 16, further comprising an EEPROM in which at least one of gas type, production date, filling quantity and leak rate have been saved.

30. (New) A device in accordance with Claim 16, wherein the means for transmitting the signals of the sensor further permit transmission of signals supplied by at least one of a temperature sensor and an EEPROM equipped on said device.